


From: Ted Tarbell tarbell@lmsal.com 
Subject: Fwd:It was HOP 257 last year
Date: July 21, 2015 at 4:58 PM
To: sabrina.savage@nasa.gov



Hi,

I'm away from the office and don't have the SSC mailing list handy.

In the June meeting, we briefly discussed the 2015 SST-IRIS-Hinode campaign, which will be 3 Sept to 14 October this year. It was called HOP 236 in that telecon, but actually the number last year was HOP 257.

Here is a somewhat revised set of science goals for this year. We could call it HOP 257 again, or I could assemble the extra verbiage to give it a new HOP number.

Cheers,

Ted

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--- the forwarded message follows ---

From: Bart De Pontieu <bart.de.pontieu@gmail.com>
Subject: **EXTERNAL: Re: It was HOP 257 last year**
Date: July 21, 2015 at 7:01:37 AM CDT
To: Ted Tarbell <tarbell@lmsal.com>

Hi Ted,

Here is a revised version. Can you forward to the correct folks?

abstract of observational proposal

Coordinated observing campaign using the Swedish Solar Telescope on La Palma, IRIS and Hinode is scheduled for September 3 - October 14, 2015. Observers at the SST will be from Oslo and LMSAL for this entire period. The goal is to obtain very high cadence, high spatial resolution observations of the photosphere & chromosphere with CRISP to accompany the IRIS spectra and images of the chromosphere and transition region. CRISP data will allow measurement of line profiles for Doppler shifts and polarization for some magnetic field information above the photosphere. Hinode will contribute precise photospheric fields with SOT/SP, magnetogram evolution with SOT/NFI and coronal images and spectra with XRT and EIS.

IRIS & SST will have a number of science goals, listed here in no particular order. Priorities will depend to some extent on how much good data is obtained during the June IRIS/SST campaign. There are a variety of targets: AR sunspot, AR plage, QS, CH, filament on disk, and AR, QS, CH. (Prominence targets are not included because the SST adaptive optics system won't work above the limb.) For IRIS, the IRIS coordination calendar has the appropriate IRIS OBS to use for each priority.

- A. Chromospheric Heating in QS/AR/CH: for Hinode, SOT: large FOV SP scans, NFI magnetograms; EIS: EIS study 373; XRT: Al poly filter images at 30s with FOV 384"x384"
- B. Bombs and flux emergence in AR: for Hinode similar to HOP 268 (not for IRIS) but with NFI magnetograms
- C. Jets in CH/QS: for Hinode, HOP 243
- D. Previously Unresolved Fine structure: for Hinode, HOP 243
- E. Penumbra jets: AR sunspot; for Hinode, HOP 250
- F. Spicules at the limb: QS or CH limb; for Hinode, HOP 249

The best coordination time is from 8:30 am to noon La Palma time, which is 07:30 UT to 11 UT. During this La Palma time (7:30 to 11 UT), IRIS will focus on high cadence runs, such as sit-and-stare, small or medium rasters. A single target will be chosen for each day's observing in this time period. The IRIS planner would typically schedule large raster scans for context before or after the La Palma time, so that high cadence programs are run during La Palma time.

Every day from 11 UT to 17 UT, IRIS and SST will perform flarewatch on the most promising active region. Hinode is invited to do the same using its standard flarewatch programs.

Cheers,
Bart

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